


SECTION 6 EXPLODED VIEWS

(1)

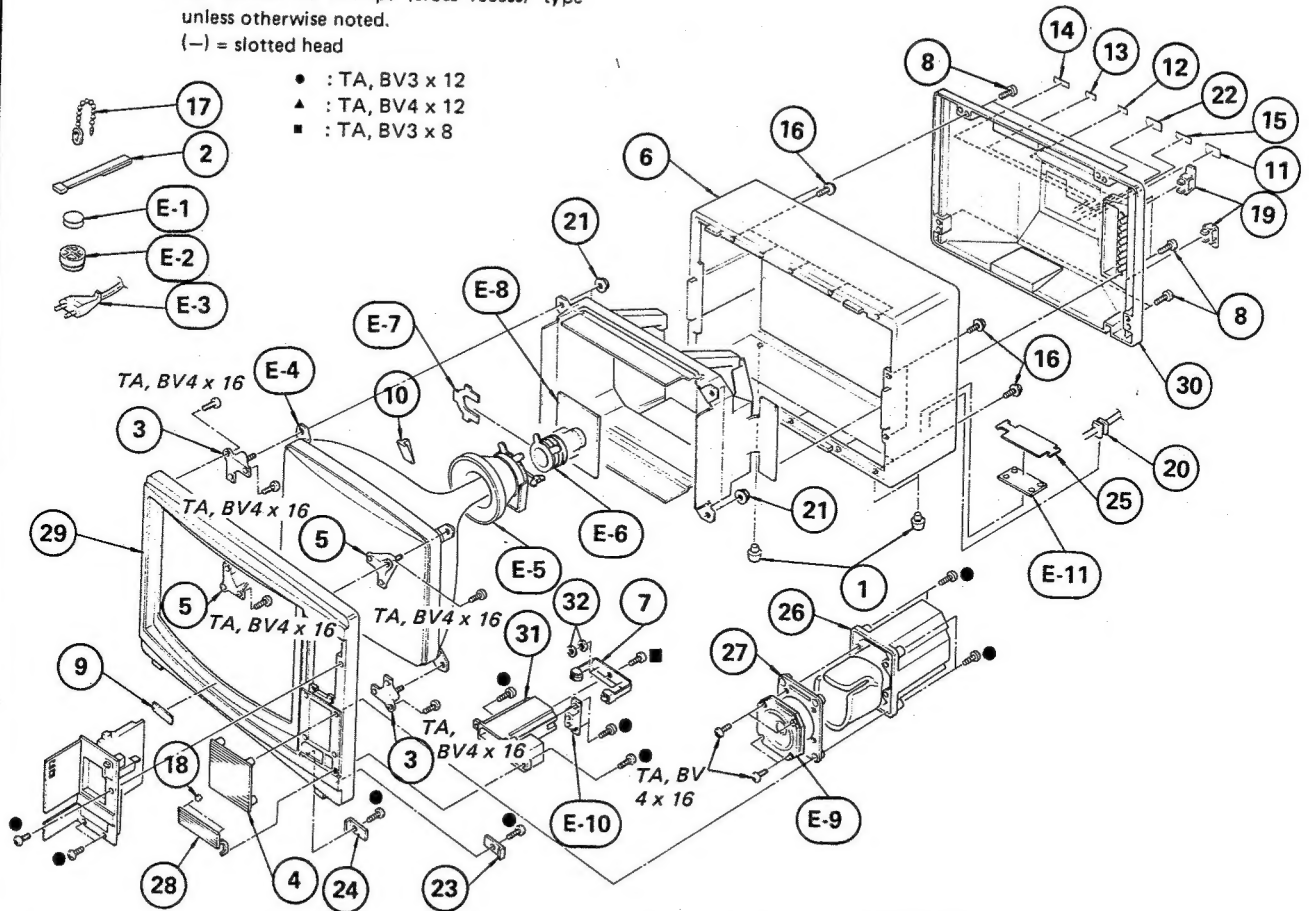
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
- (-) = slotted head

- : TA, BV3 x 12
- ▲ : TA, BV4 x 12
- : TA, BV3 x 8

- As to the part numbered with E-, refer to the electrical parts list.
- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-3701-047-1	Foot Ass'y		17	4-308-870-00	Clip, lead wire	
2	X-4308-815-0	Permalloy Ass'y convergence		18	4-314-871-00	Cushion	
3	● X-4341-602-0	Bracket (1) Ass'y, picture tube		19	4-316-003-00	Holder, cord	
4	X-4341-604-0	Grille Ass'y, speaker		20	▲ 4-327-107-00	Holder, cord	
5	● X-4341-605-0	Bracket (2) Ass'y, picture tube		21	4-330-305-00	Nut, special	
6	X-4341-608-0	Cabinet Ass'y		22	● 4-341-601-00	Label, model number (UK)	
7	● X-4341-610-0	Spring Ass'y		23	4-341-606-00	Shaft (1), door	
8	3-701-910-00	Screw, special		24	4-341-607-00	Shaft (2), door	
9	3-701-912-00	Emblem, SONY (large)		25	● 4-341-615-00	Cover, insulating	
10	3-703-003-00	Spacer, DY		26	● 4-341-619-00	Box, speaker	
11	3-703-234-00	Label, caution		27	● 4-341-620-00	Plate, speaker	
12	3-703-269-00	Label, SEV		28	4-341-642-00	Door (3)	
13	3-703-274-00	Label, approval		29	4-341-644-00	Bezel	
14	3-703-351-00	Label (CTV), FTZ		30	4-341-647-00	Cover, back	
15	3-703-	Label, PTB		31	4-341-653-00	Box, commander	
16	4-304-851-00	Screw, TA, W/W 4 x 25		32	● 4-341-657-00	Sheet	

A

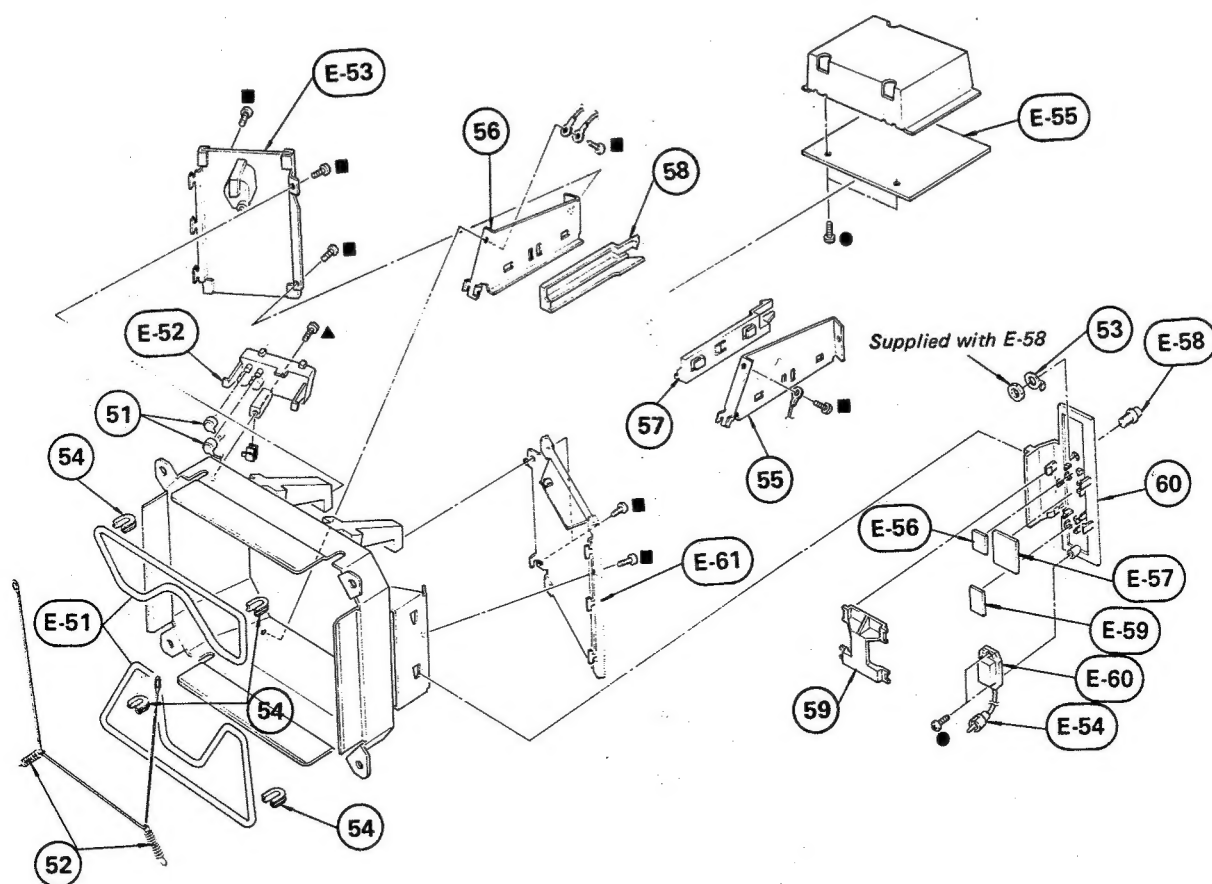
B

C

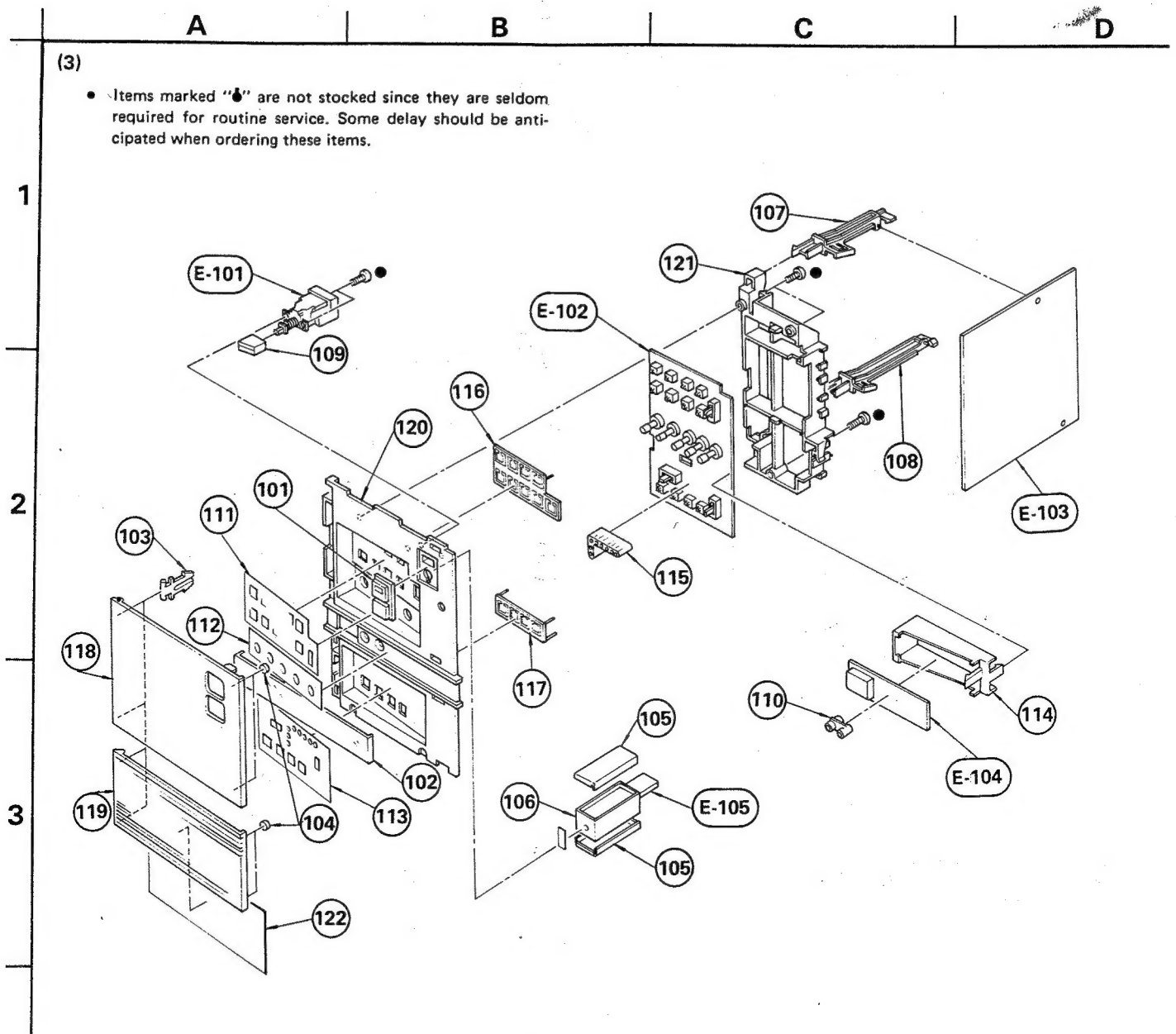
D

(2)

- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



<u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
51	3-705-769-00	Cap, rubber		56	▲ 4-341-622-00	Holder (2), F board	
52	4-303-774-XX	Spring		57	▲ 4-341-630-00	Guide, PC board (1)	
53	4-325-529-00	Terminal, connector		58	▲ 4-341-631-00	Guide, PC board (2)	
54	▲ 4-330-306-00	Bushing, picture tube insulating		59	▲ 4-341-635-00	Holder, J board	
55	▲ 4-341-621-00	Holder (1), F board		60	4-341-651-00	Panel, connector	



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	X-4341-601-0	Plate (1) Ass'y, ornamental		112	4-341-610-00	Label, control (B)	
102	X-4341-603-0	Plate (2) Ass'y, ornamental		113	4-341-611-00	Label, control (C)	
103	3-703-035-11	Shaft, door		114	● 4-341-625-00	Holder, H2 board	
104	4-314-871-00	Cushion		115	● 4-341-626-00	Holder, LED (2)	
105	● 4-336-033-00	Case (upper, lower), shield, X		116	4-341-628-00	Button, multi (1)	
106	● 4-336-034-00	Case (main), shield, X		117	4-341-629-00	Button, multi (2)	
107	● 4-336-414-00	Bracket (3), PC board		118	4-341-640-00	Door (1)	
108	● 4-336-415-00	Bracket (2), PC board		119	4-341-641-00	Door (2)	
109	4-341-604-00	Button, POWER		120	4-341-650-00	Panel, control	
110	● 4-341-605-00	Holder (1), LED		121	● 4-341-652-00	Bracket, H-M	
111	4-341-609-00	Label, control (A)		122	4-341-671-00	Label (2), door	

SONY

TRINITRON® COLOR TV BASIC SCHEMATIC DIAGRAM

KV-2704E

Chassis No. SCC-268A-A

NOTE

THIS SCHEMATIC DIAGRAM IS FOR USE BY YOUR SERVICE TECHNICIAN. KEEP THIS DIAGRAM HANDY FOR FUTURE REFERENCE.

HINWEIS

DIESES SCHEMATISCHE DIAGRAMM IST ZUM GEBRAUCH DURCH IHREN WARTUNGSTECHNIKER BESTIMMT. BEWAHREN SIE DIESES DIAGRAMM FÜR SPÄTEREN GEBRAUCH GUT AUF.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND Δ MARK ON THE SCHEMATIC DIAGRAMS ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THE PARTS LIST ON THIS BASIC SCHEMATIC DIAGRAM OR IN THE SERVICE MANUAL. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THE SERVICE MANUAL PUBLISHED BY SONY. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SICHERHEITSHINWEIS FÜR KOMPONENTEN

IN DEN SCHALTBILDERN SCHRAFFIERT UND MIT DER Δ -MARKE EINGEZEICHNETE KOMPONENTEN SIND FÜR DIE BETRIEBSSICHERHEIT KRITISCH. DIESE KOMPONENTEN SIND DURCH SOLCHE SONY TEILE ZU ERSETZEN, DEREN TEILNUMMERN IN DER TEILELISTE DIESER GRUNDSCHALTBILDER ODER IN DEM VON SONY HERAUSGEGEBENEN WARTUNGSHANDBUCH ANGEZEIGT SIND. AUF FÜR DIE BETRIEBSSICHERHEIT KRITISCHE SCHALTUNGSEINSTELLUNGEN WIRD IN DEM HANDBUCH HINGEWIESEN. BEFOLGEN SIE DIESE ANWEISUNGEN STETS, WENN KRITISCHE KOMPONENTEN AUSGEWECHSELT WERDEN ODER VERDACHT AUF FUNKTIONSSTÖRUNGEN BESTEHT.

- All capacitors are in μF unless otherwise noted. p: μpF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}$ W unless otherwise noted. k Ω : 1000 Ω , M Ω : 1000 k Ω
- \square : nonflammable resistor.
- \triangle : internal component.
- \square : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 20,000-ohm-per-volt VOM.
- Readings are taken with a color-bar signal input.
- Voltages on H2 and M boards are taken under conditions below.
 - The channel 1 is selected.
 - VOLUME control is set to no sound position.
 - PICTURE control is set to the first stage. (The first stage is the condition when the POWER switch sets to ON.)
- Waveform on M board is taken with controls set to the first stage.
- Voltage variations may be noted due to normal production tolerances.

Sony Corporation

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Printed in Japan

4-491-432-01

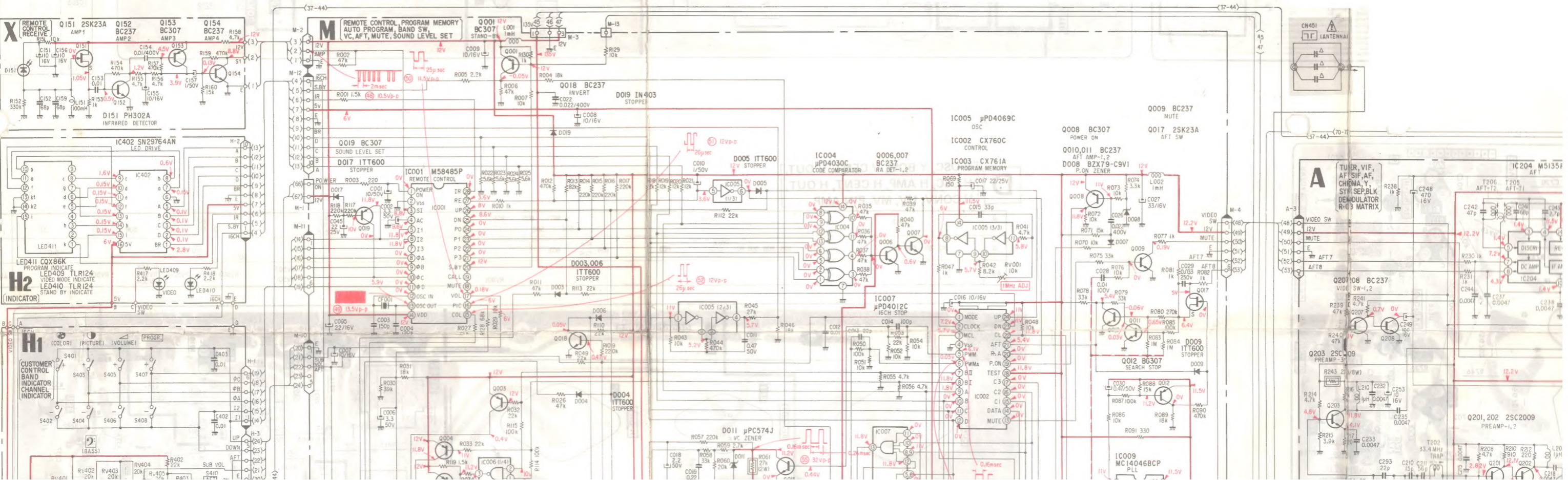
PARTS LIST TEILELISTE

(THE SHADED AND Δ MARK)
(SCHATTIERTE UND Δ MARK)

NOTE: REPLACE CRITICAL COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THE PARTS LIST ON THIS BASIC SCHEMATIC DIAGRAM OR IN THE SERVICE MANUAL.
HINWEIS: DIE KRITISCHEN KOMPONENTEN SIND DURCH SONY TEILE ZU ERSETZEN, DEREN TEILNUMMERN IN DER TEILELISTE DIESER GRUNDSCHALTBILDER ODER IN DEM VON SONY HERAUSGEGEBENEN WARTUNGSHANDBUCH ANGEZEIGT SIND.

Ref. No.	Part No.
C601	1-117-121-00
C602	1-117-119-00
C628, 629	1-117-127-00
C814	1-102-327-00
C815	1-130-545-00
CN451	1-536-437-00
F601	1-532-237-00
L901, 902	1-426-041-11
L903	1-451-156-41
PTH601	1-800-955-11
R601	1-217-328-00

SCHEMATIC DIAGRAM



μF unless otherwise noted. p: $\mu\mu\text{F}$
t indicated except for electrolytics.

ohms, 1/4 W unless otherwise noted.
300 kΩ

le resistor.

ponent.

ation.

adjustable resistors have characteristic
wise noted.

h respect to ground unless otherwise

with a 20,000-ohm-per-volt VOM.

with a color-bar signal input.

M boards are taken under conditions

selected.

It is set to no sound position.

is set to the first stage.


is the condition when the POWER


ard is taken with controls set to the

may be noted due to normal production

PARTS LIST TEILELISTE

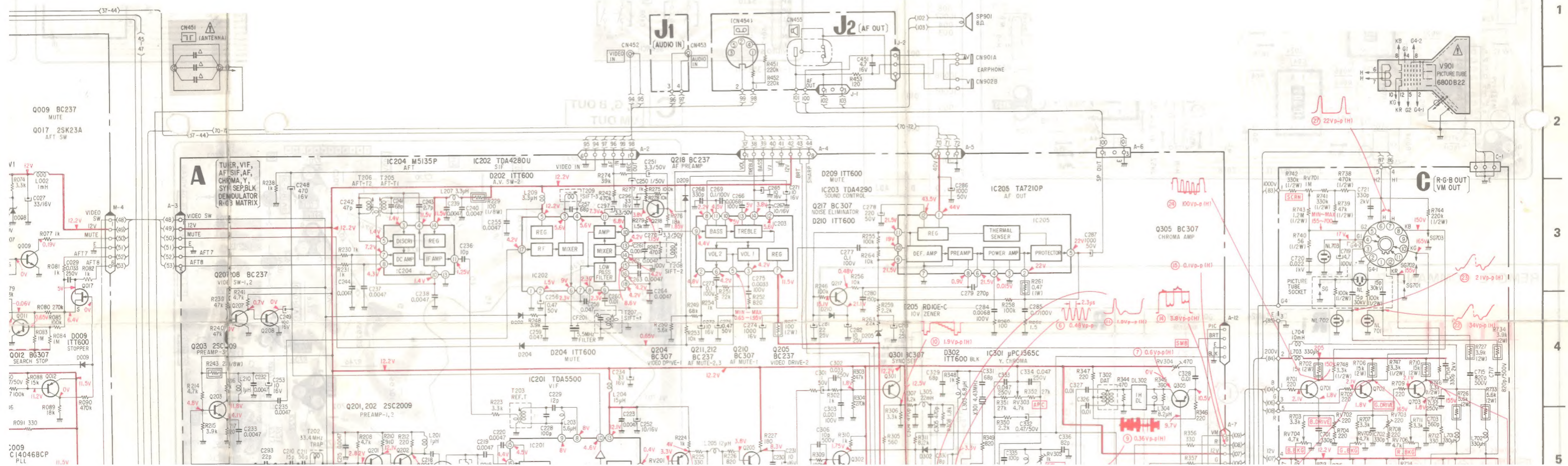
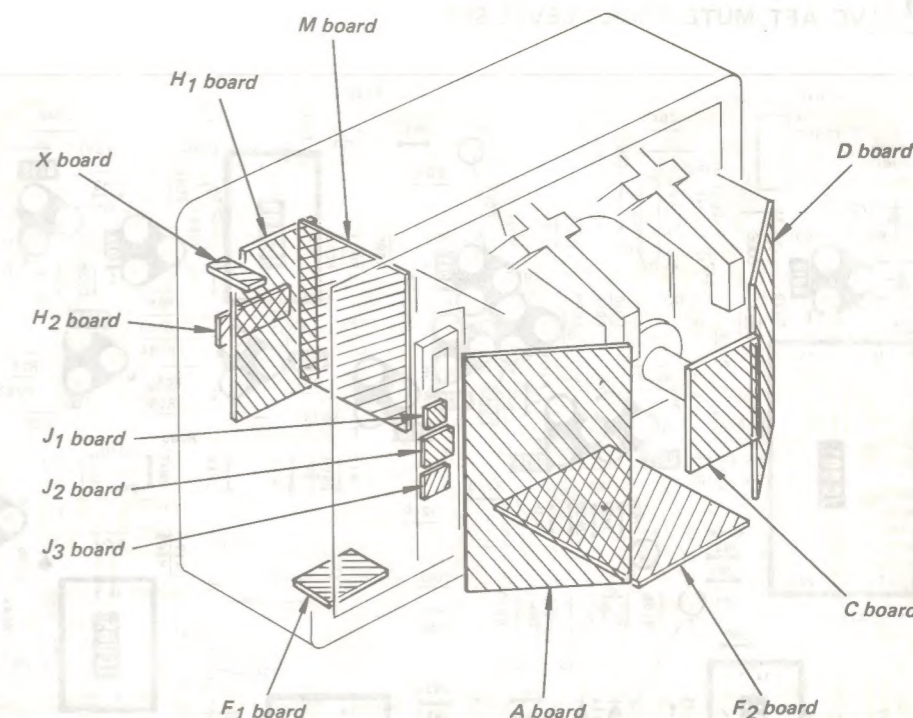
(THE SHADED AND ▲ MARK COMPONENTS) (SCHATTIERTE UND MIT ▲ MARKIERTE KOMPONENTEN)

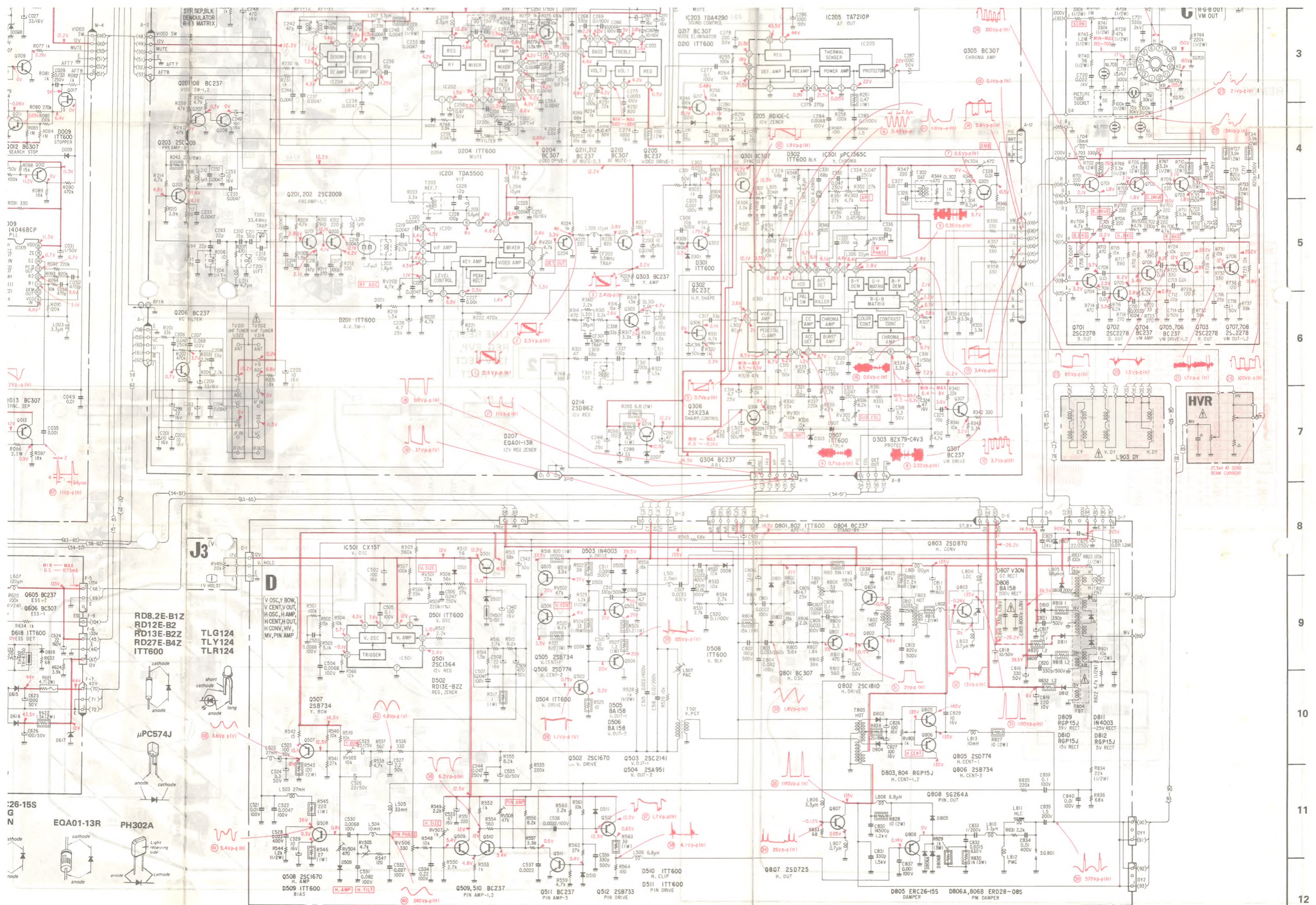
NOTE: REPLACE THE SHADED AND  MARK COMPONENTS ON THE SCHEMATIC DIAGRAM WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS LIST OR IN SUPPLEMENTS PUBLISHED BY SONY.

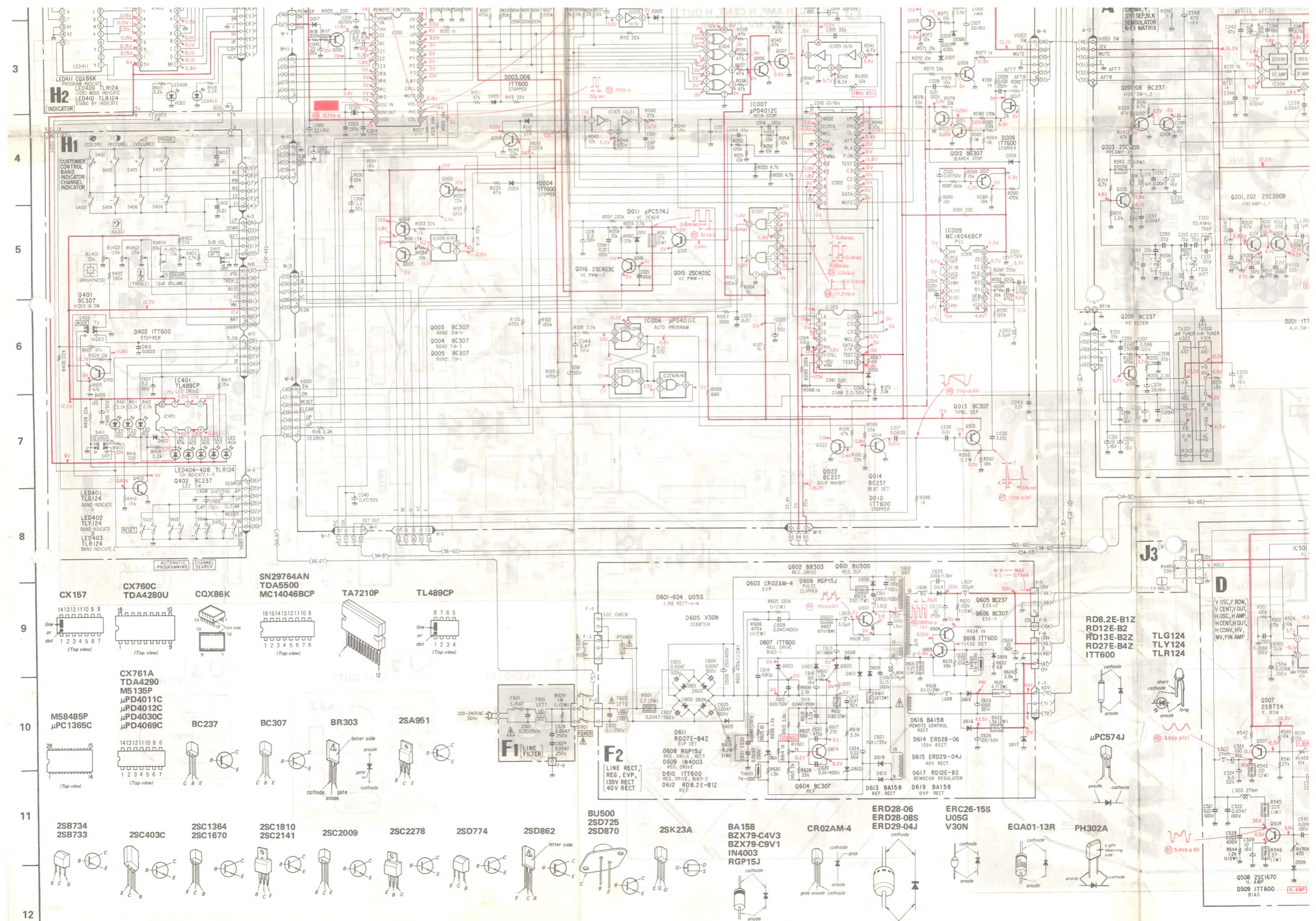
HINWEIS: DIE IM SCHEMATISCHEN DIAGRAMM SCHATTIERT UND MIT DER MARKIERUNG  ANGEgebenEN KOMPONENTEN DURCH SONY-TEILE ERSETZEN, DEREN TEILENUMMER MIT DER IN DIESER LISTE ODER IN VON SONY VERÖFFENTLICHTEN ZUSATZBLÄTTERN ANGEgebenEN ÜBEREINSTIMMT.

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
C601	1-117-121-00	Capacitor, 0.22 μ F 250 V metalized paper	R629	1-244-945-00	Resistor, 1 M Ω ½ W composition
C602	1-117-119-00	Capacitor, 0.1 μ F 250 V metalized paper			
C628, 629	1-117-127-00	Capacitor, 0.0047 μ F 250 V metalized paper	S901	1-553-225-12	Switch, pushbutton; POWER
C814	1-102-327-00	Capacitor, 330 pF 1.5 kV ceramic			
C815	1-130-545-00	Capacitor, 8000 pF 1.2 kV film	T601	1-421-352-00	Transformer, line filter; LFT-1
			T602	1-413-053-11	Transformer, switching regulator; SRT
CN451	1-536-437-00	Antenna Terminal	T603	1-441-855-00	Transformer, line filter; LFT-2
			T804	1-439-256-11	Transformer, flyback; FBT
F601	1-532-237-00	Fuse, 3.15 AT			
			TU201	1-463-242-00	UHF Tuner, U322
L901, 902	1-426-041-11	Coil, degaussing; DGC	TU202	1-463-243-00	VHF Tuner, V314
L903	1-451-156-41	Coil, deflection yoke; DY			
			V901	8-738-405-05	Picture Tube, 680DB22
PTH601	1-800-955-11	Thermistor, positive		1-226-500-31	Resistor Ass'y, high-voltage
				1-452-145-00	Neck Ass'y, picture tube
R601	1-217-328-00	Resistor, 2.7 Ω 7 W wirewound (nonflammable)		1-551-270-00	Cord, power

CIRCUIT BOARDS LOCATION



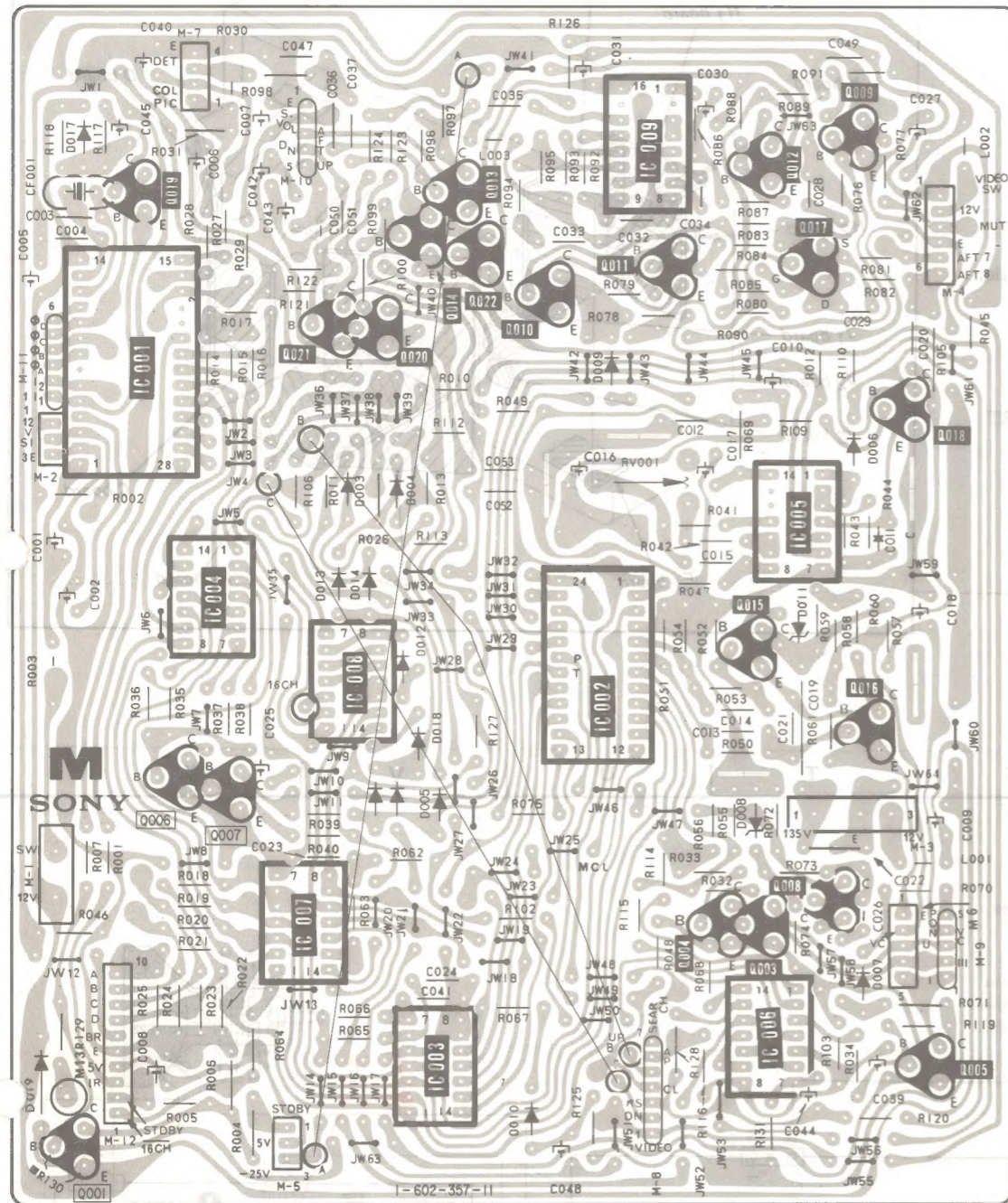




Note: All mounting diagrams are viewed from conductor side.

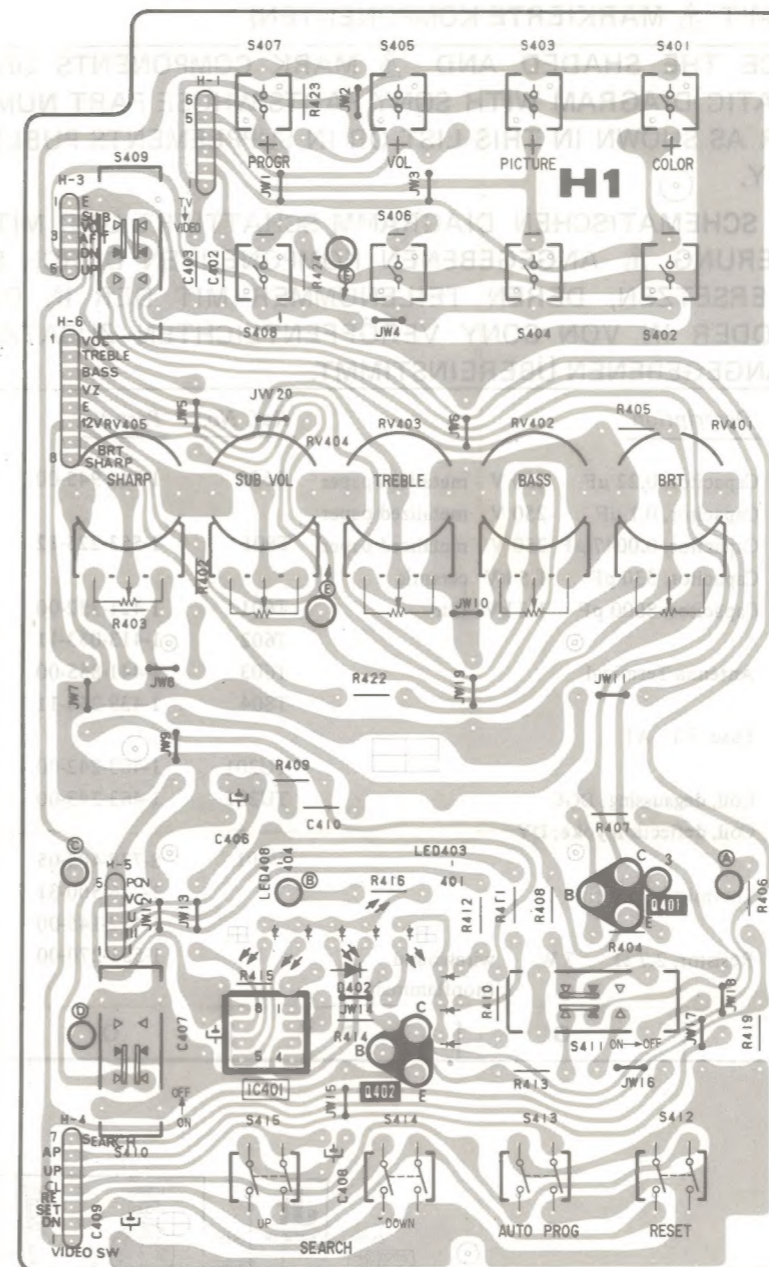
Note: All mounting diagrams are viewed from conductor side.

REMOTE CONTROL PROGRAM MEMORY
AUTO PROGRAM, BAND SW,
VC, AFT, MUTE, SOUND LEVEL SET



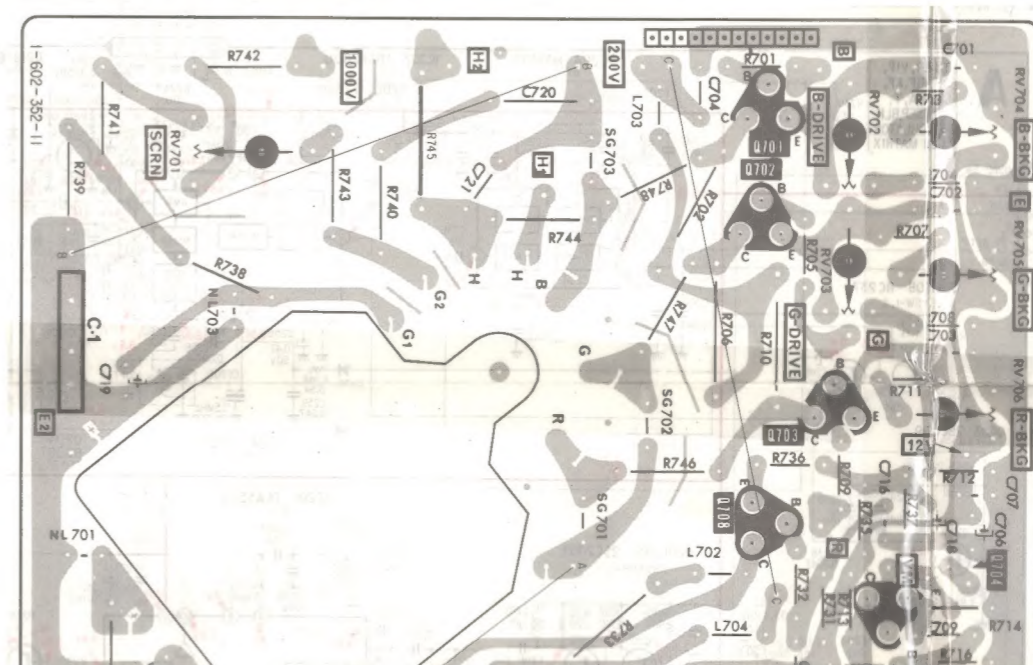
IC , Q	D	ADJ
IC009 009 012 013	017	
014 022 011 017 010		
IC001	009	
018	006	
IC005	003 004	
IC004		
015		
IC002		
016		
006 007	005 008	
008 IC007 004 003	007	
IC006		
IC003	019	
005		
	010	
001		
IC , Q	D	ADJ

[INDICATOR]

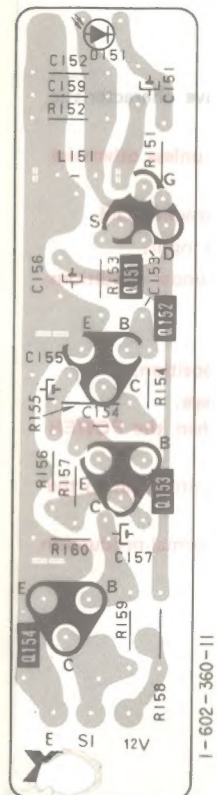


1-602-358-11

[R, G, B OUT]
[VM OUT]



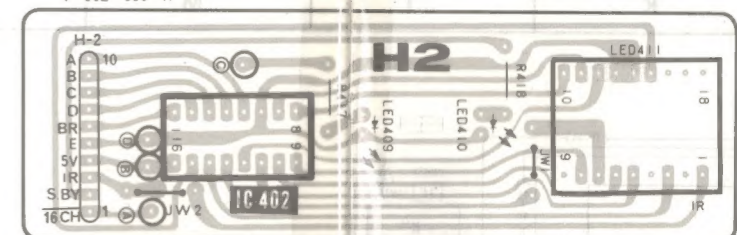
[REMOTE]
[CONTROL]
[RECEIVE]



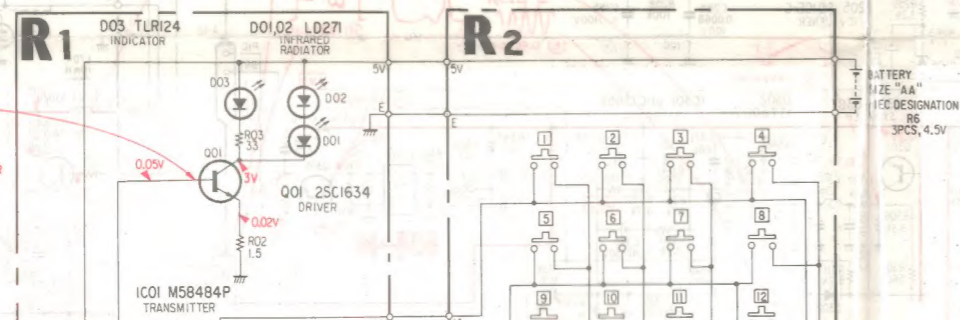
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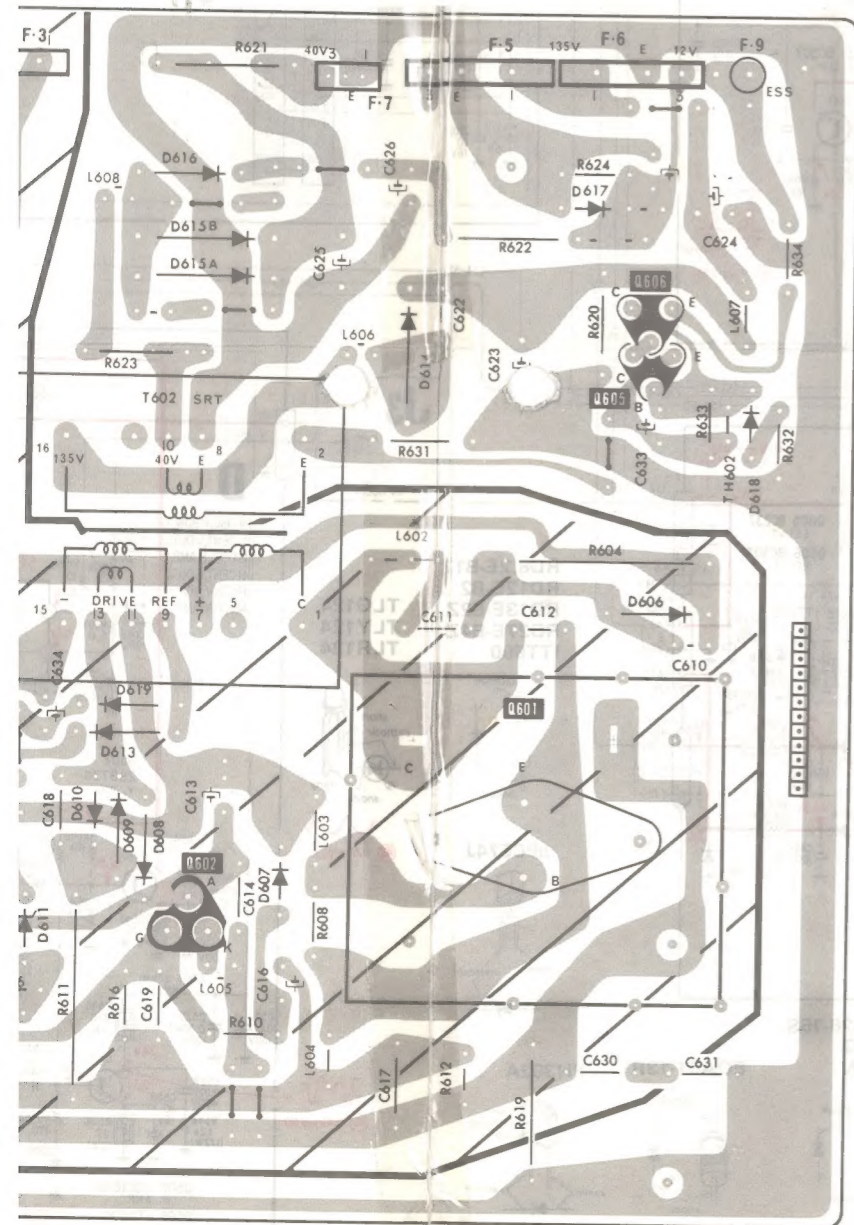
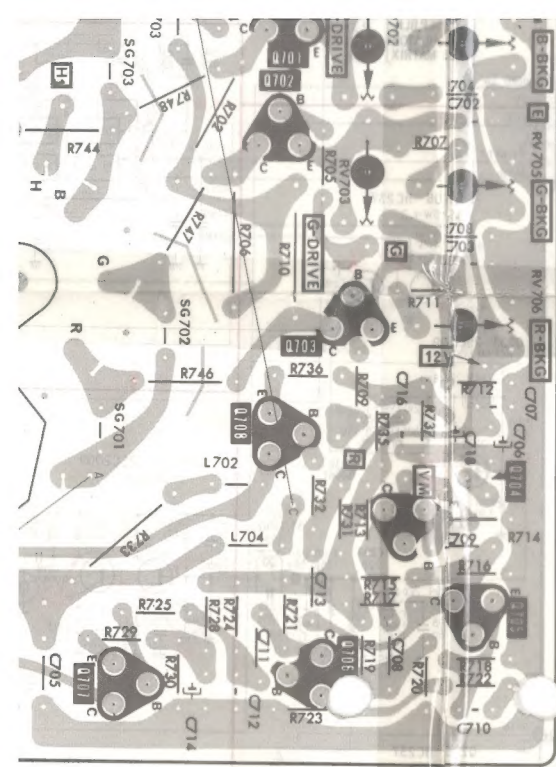
[CUSTOMER CONTROL
BAND
INDICATOR CHANNEL
INDICATOR]

1-602-359-11

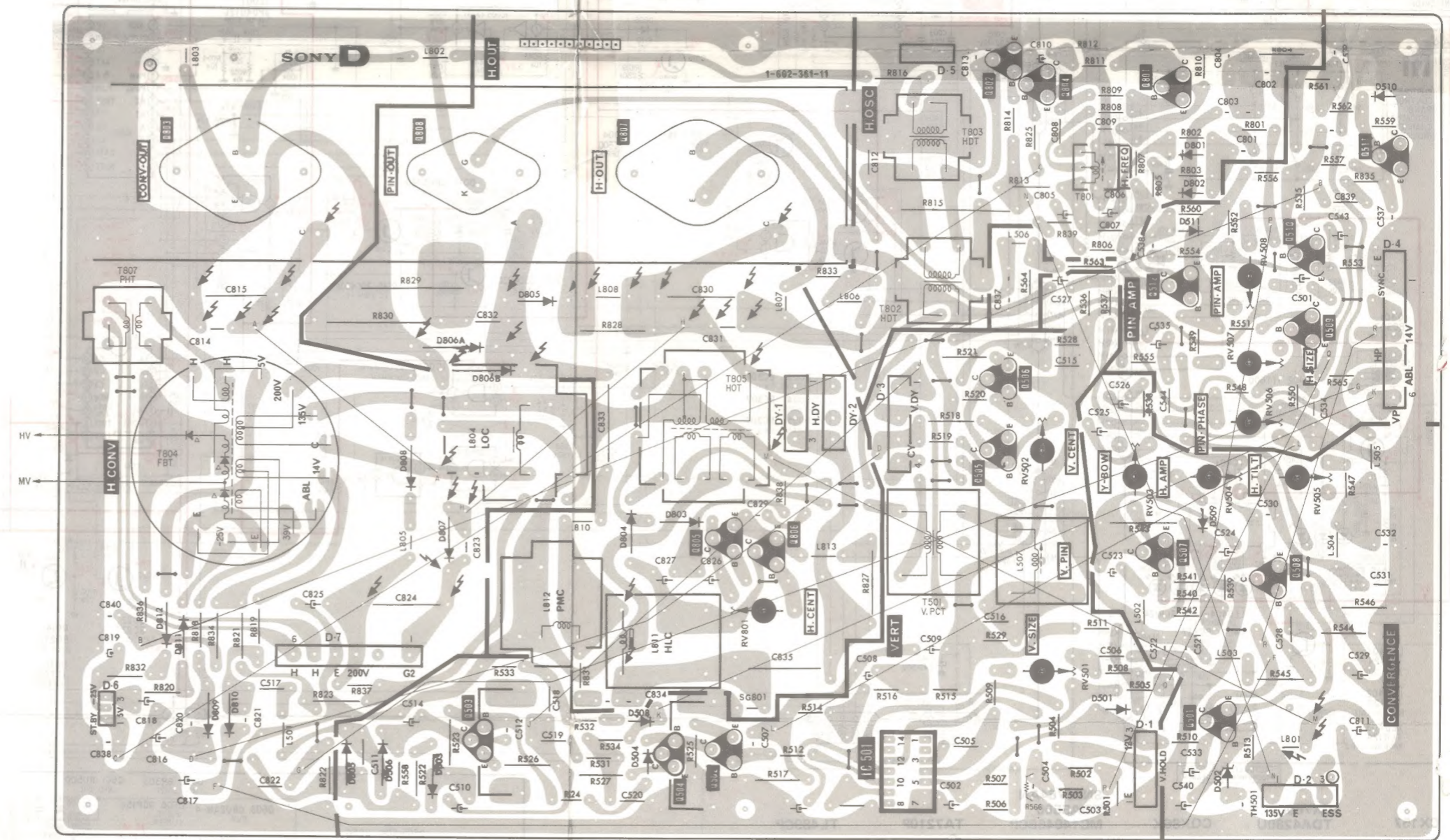


R2

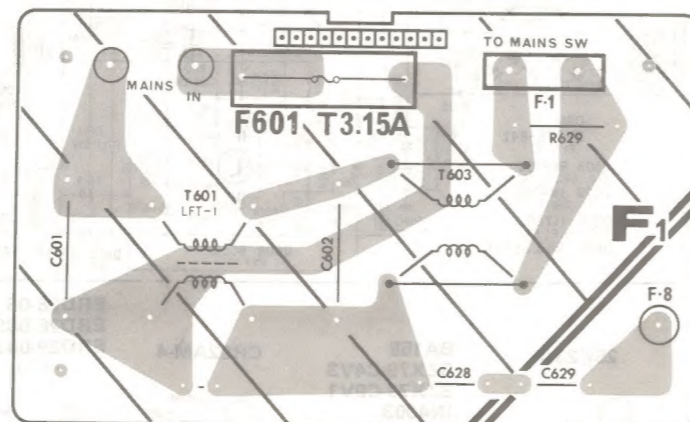




Q	803										808		807		805		806		IC501		802		804		801		510		Q																																																																																												
I											503		504		502								505				507		512		501		508		511		I																																																																																				
D	812		811		809		810				505		506		808		503		807		806A		806B				805		804		508		504		803				801		802		511		509		502				510		D																																																																				
ADJ																															RV801										RV502										RV501										RV503										RV504										RV508										RV507										RV506										RV505										ADJ

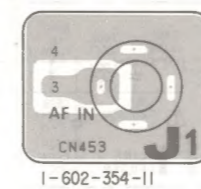


F1 [LINE FILTER]



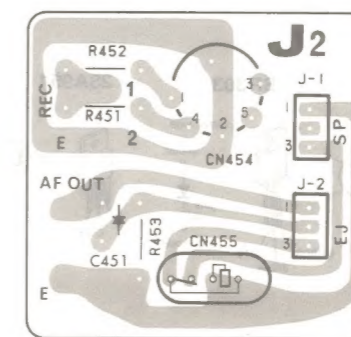
1-602-350-11

J1 [AUDIO IN]



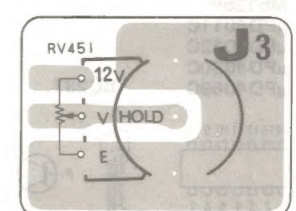
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J2 [AF OUT]



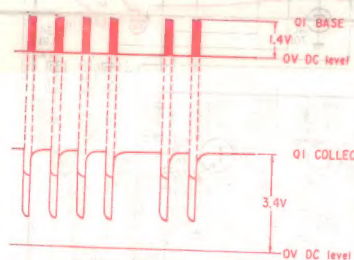
1-602-353-11

J3 [V HOLD]

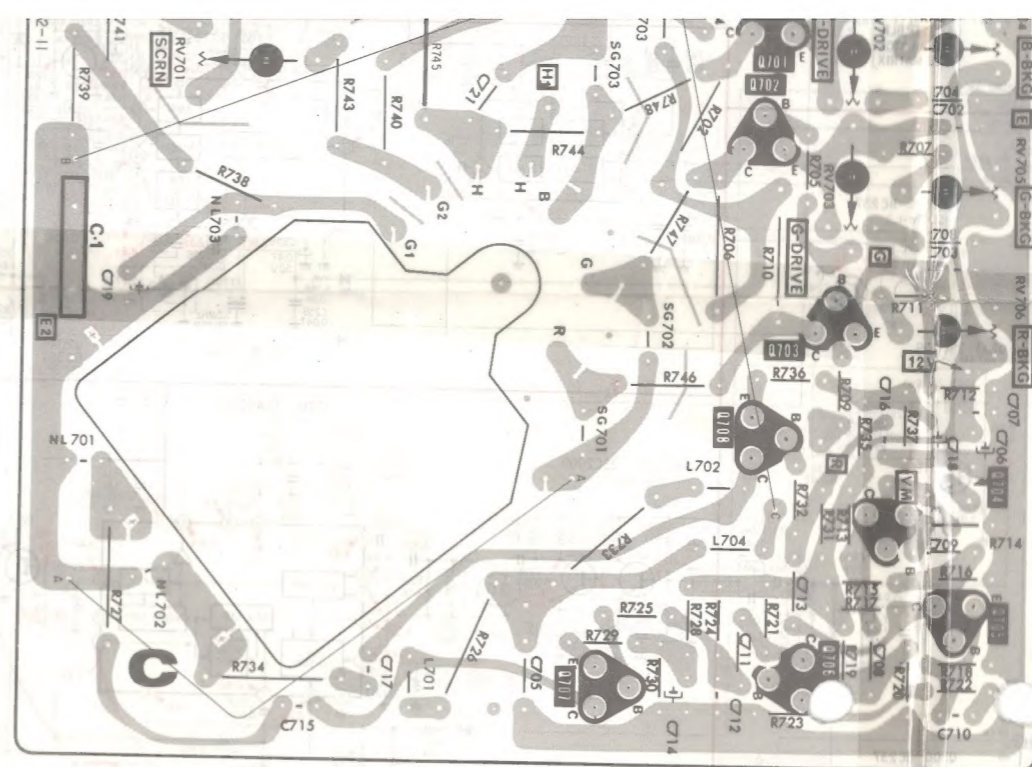
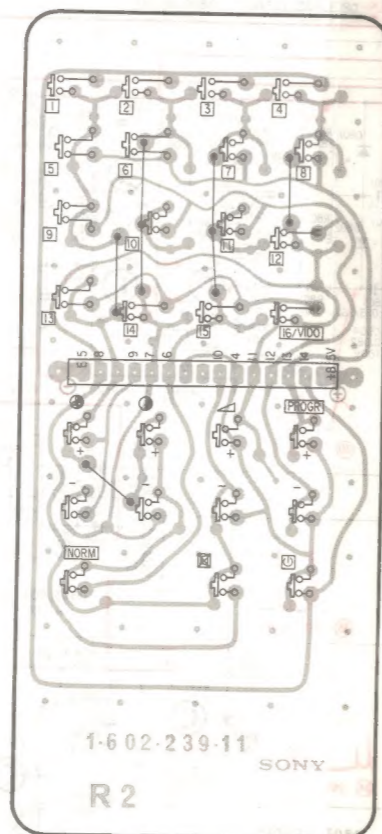
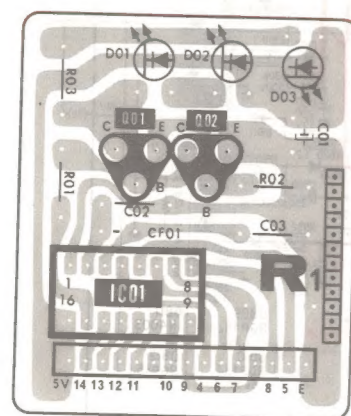
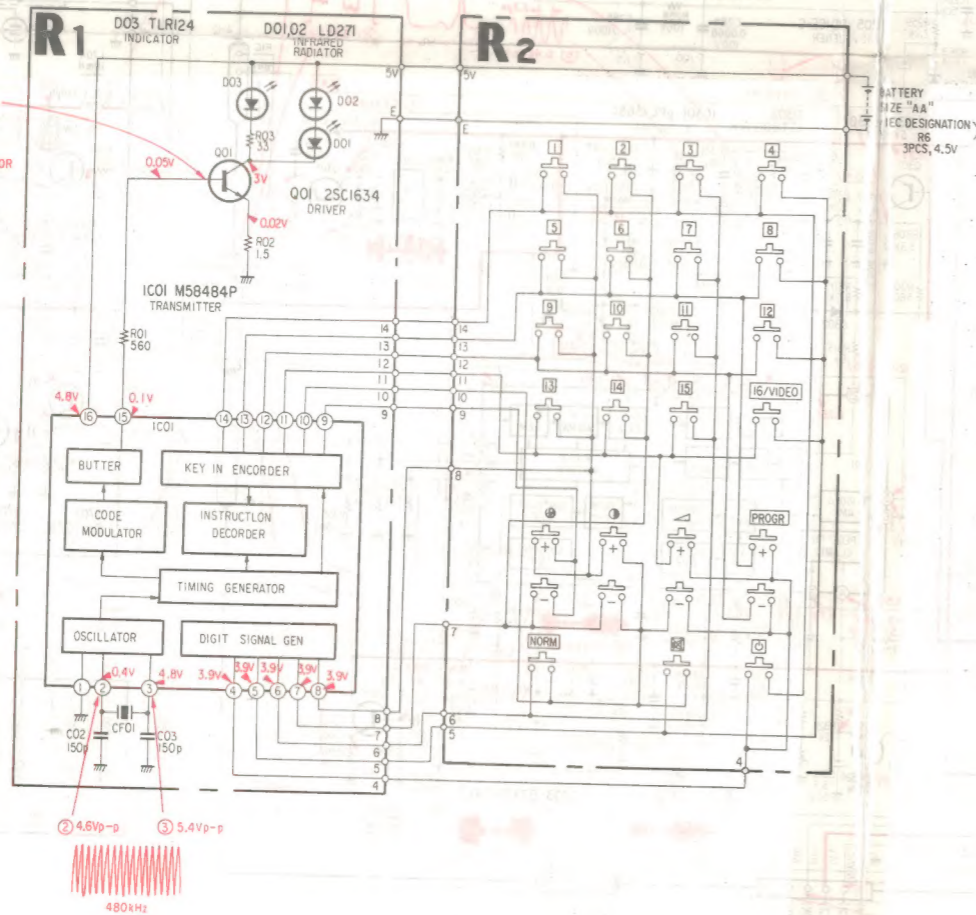


1-602-355-11

REMOTE COMMANDER RM-606



MODE	CH-1	CH-2	CH-3	CH-4	CH-5	CH-6	CH-7	CH-8	CH-9	CH-10	CH-11	CH-12	CH-13	CH-14	CH-15	CH-16/VIDEO	PROG +	PROG -	NORM	TEST
9	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
10	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
11	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
12	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
13	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
14	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
15	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
16	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
17	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
18	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
19	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
20	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
21	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
22	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
23	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
24	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
25	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
26	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
27	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
28	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
29	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
30	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



LINE RECT,
REG, EVP,
135V RECT
40V RECT

